

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please replace paragraph [1001] with the following amended paragraph:

[1001] The present invention relates generally to wireless communication devices and systems and more specifically to exchanging data in a wireless communication system using High Data Rate (“HDR”) [HDR] technology.

Please replace paragraph [1003] with the following amended paragraph:

[1003] However, for typical applications that run on the wireless Internet, such as e-mail programs, calendar programs, applications that use the ~~file transfer protocol~~ File Transfer Protocol (“FTP”), bid auction programs, etc., the connection requirements are very different. These applications require “bursting” of data based on ~~invokable~~ invokable events as well as close synchronization with a server. For example, an e-mail program requires a connection and synchronization with an e-mail server only when there is e-mail to be sent and received. Thus, a wireless device (also referred to as a “mobile unit” in the present application) or the operator of the wireless device, needs to know when to connect to a server, for example, to synchronize and exchange e-mail.

Please replace paragraph [1005] with the following amended paragraph:

[1005] The advent of ~~high data rate~~ (“HDR”) HDR technology, a high-speed, high capacity wireless technology optimized for packet data services, offers the opportunity for wireless devices to “burst” data over a single 1.25 MHz channel at a peak rate of 2.4 Mbps. However, for a wireless device and a base station to transfer data at HDR speed, the wireless device and the base station must be within an HDR area or cell. For example, a person using an HDR-enabled wireless device, such as an HDR-enabled cell phone, would have to send e-mail to a base station while the HDR-enabled cell phone was in an HDR area to be able to utilize HDR speed. Therefore, either the operator or the HDR-enabled cell phone the operator is using would

have to determine the right time (i.e. when the HDR enabled cell phone is in an HDR area) to send data to the base station to take advantage of HDR speed.

Please replace paragraph [1012] with the following amended paragraph:

[1012] FIG. [3.] 3 is a flowchart of a process for automatically exchanging data at HDR speed between a wireless mobile unit and a base station in accordance with one embodiment of the invention.

Please replace paragraph [1013] with the following amended paragraph:

[1013] The present invention is directed to system and method for data exchange in a high data rate wireless communication system. ~~Although the invention is described with respect to specific embodiments, the principles of the invention, as defined by the claims appended herein, can obviously be applied beyond the embodiments of the description described specifically herein. Moreover, certain details have been left out in order not to obscure the inventive aspects of the invention. The specific details not described in the present application are within the knowledge of a person of ordinary skill in the art.~~

Please replace paragraph [1014] with the following amended paragraph:

[1014] The drawings in the present application and their accompanying detailed description are directed to merely example embodiments of the invention. ~~To maintain brevity, other embodiments of the invention that use the principles of the present invention are not specifically described in the present application and are not specifically illustrated by the present drawings.~~ The word “exemplary” is used exclusively herein to mean “serving as an example, instance, or illustration.” Any embodiment described herein as “exemplary” is not necessarily to be construed as preferred or advantageous over other embodiments.

Please replace paragraph [1015] with the following amended paragraph:

[1015] FIG. 1 illustrates an exemplary wireless communication system in accordance with one embodiment of the invention. Exemplary wireless communication system 100 shown in FIG. 1 can comprise, for example, part of a ~~code-division multiple access~~ Code Division

Multiple Access (“CDMA”) communication system configured to be interoperable with High Data Rate (“HDR”) HDR technology. The general principles of CDMA communication systems, and in particular the general principles for generation of spread spectrum signals for transmission over a communication channel is described in U.S. patent 4,901,307 entitled “Spread Spectrum Multiple Access Communication System Using Satellite or Terrestrial Repeaters” and assigned to the assignee of the present invention. The disclosure in that patent, i.e. U.S. patent 4,901,307, is hereby fully incorporated by reference into the present application. Moreover, U.S. patent 5,103,459 entitled “System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System” and assigned to the assignee of the present invention, discloses principles related to PN spreading, Walsh covering, and techniques to generate CDMA spread spectrum communication signals. The disclosure in that patent, i.e. U.S. patent 5,103,459, is also hereby fully incorporated by reference into the present application. Further, the present invention utilizes time multiplexing of data and various principles related to HDR “high data rate” communication systems, and the present invention can be used in HDR “high data rate” communication systems, such as that disclosed in U.S. patent application entitled “Method and Apparatus for High Rate Packet Data Transmission”, U.S. Patent 6,574,211 Serial No. 08/963,386 filed on November 3, 1997, and assigned to the assignee of the present invention. The disclosure in that patent application is also hereby fully incorporated by reference into the present application.

Please replace paragraph [1016] with the following paragraph:

[1016] As shown in FIG. 1, wireless communication system 100 comprises wireless mobile unit 102 and base station 104. Wireless mobile unit 102 communicates with base station 104 at a high data rate in HDR area 106 utilizing antenna 108. Wireless mobile unit 102 can be, for example, an HDR-enabled CDMA cell phone, an HDR-enabled PDA personal digital assistant (PDA), or a laptop computer with an HDR modem. Utilizing HDR technology, wireless mobile unit 102 is configured to communicate with base station 104 in HDR area 106 using a single, data-dedicated 1.25 MHz channel at a peak data rate of 2.4 Mbps. HDR area 106 can be a CDMA cell that also supports HDR technology, which is compatible with CDMA voice systems.

Please replace paragraph [1017] with the following amended paragraph:

[1017] Continuing with FIG. 1, wireless mobile unit 102 comprises HDR module 110, data burst optimizer 112, processor 114, memory module 116, and user interface 118. The flow of information into, between, and from the modules is indicated in the block diagram of ~~Figure~~ FIG. 1 by arrows which also indicate the direction of information flow. HDR module 110 further comprises receiver/transmitter 120 and signal strength indicator 122. In one embodiment, HDR module 110 can be an HDR modem. Receiver/transmitter 120 is configured to receive HDR data packets from base station 104 and transmit HDR data packets to base station 104 in HDR area 106 via antenna 108. By way of background, HDR data packets are formatted and addressed using Internet Protocol (“IP”).

Please replace paragraph [1033] with the following amended paragraph:

[1033] Continuing with FIG. 1, base station 104 comprises antenna 130 and receiver/transmitter 132. Receiver/transmitter 132 is configured to receive HDR data packets from wireless mobile unit 102 and transmit HDR data packets to wireless mobile unit 102 in HDR area 106 via antenna 130. In one embodiment, base station 104 can be connected to an e-mail server, a file transfer protocol (“FTP”) server, an applications server, and/or a data base server via the Internet in a manner known in the art.

Please replace paragraph [1050] with the following amended paragraph:

[1050] At step 316, data in the authenticated application is exchanged between wireless mobile unit 102 and base station 104 at HDR speed. For example, if the authenticated application in application/authentication database 128 is an e-mail application, wireless mobile unit 102 would send e-mail to and ~~received receive~~ e-mail from base station 104 at HDR speed. At step 318, if there are more applications remaining in application/authentication database 128 to exchange data with base station 104, the process returns to step 314 to authenticate the next application. If there is no application remaining in application/authentication database 128 to exchange data with base station 104, the process proceeds to step 320.